

Chapters 1 & 2 Review

Section 1-1

Ecology

Environmental Science












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graph TD; Ecology --> Box1[Study of the impact of humans on the environment]; Ecology --> Box2[Study of how living things interact with their nonliving environment]; EnvScience[Environmental Science] --> Box3[Has many fields of study that contribute to it: Biology, Chemistry, Physics, Earth Science, Social Sciences];
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**Study of
the impact of humans on the
environment**

**Study of how living things
interact with their nonliving
environment**

**Has many fields of study that
contribute to it:
Biology, Chemistry, Physics,
Earth Science, Social Sciences**

Section 1-1

	Hunters & Gatherers	Agricultural Revolution	Industrial Revolution
Great technological strides			
Growth of cities			
Overhunting of large mammals			
Plants & animals were domesticated			
Greatly improved the quality of life			
Shift in the use of fossil fuels			
Pollution became a problem			
When most of today's env. problems began			
Lived in tribes & used fires to maintain habitats			
Human population grew rapidly			

Section 1-1

Natural Resources

Air
Copper ore
Diamonds
Forests
Minerals
Petroleum
Sunlight
Water

RENEWABLE

*Replaced relatively quickly
by natural processes*

Air

Forests

Sunlight

Water

NONRENEWABLE

*Used up at a much
quicker rate than at
which they form*

Copper ore

Diamonds

Minerals

Petroleum

Which are biodegradable pollutants?

newspaper

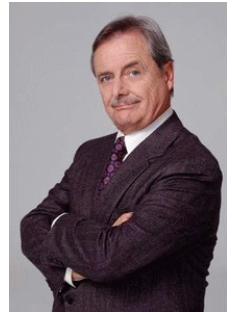
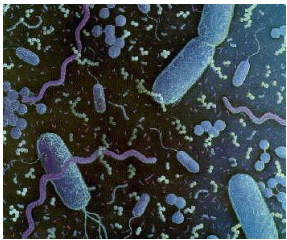
**Human
sewage**

plastic

******are still pollutants if they accumulate
more rapidly than they decompose!!!***

RIBDOVITIES BIODIVERSITY

- *Number and variety of species in an area*
- *Important because humans depend on it for food and oxygen, among other things*



Tragedy of the Commons

Illustrates the struggle between

individuals and **society**



Section 1-2



*Remains
the
same*



Section 1-2

*Amount of land & ocean
need to support one person*



**Ecological
Footprint**

Developed countries



Developing countries



Ethiopia



United States



Decision-Making Model

Put the steps in order. . .

2
Consider
Values

1
Gather
Info

4
Make a
decision

3
Explore
Consequences

Section 2-3

When deciding whether or not to build a dam, which value is being considered for each question???

Will the dam provide new leisure activities?

Recreational

How many jobs will building the dam generate?

Economical

Will building the dam destroy natural resources?

Environmental

Is it right to build a dam here?

Ethical/Moral